

IN THE CLAIMS:

1. (Previously Amended) A display assembly for a handheld electronic device comprising:

a display mechanism;

a plurality of pressure activated sensors; and

a housing for enclosing said display mechanism, said housing comprising:

an external surface that defines a body of said handheld electronic device,

a single-piece bezel-less top cover that forms a portion of the external surface and allows mechanical transfer between said top cover and said plurality of pressure activated sensors, wherein said pressure activated sensors can be activated by mechanical pressure applied to the said single-piece bezel-less top cover, and

a back cover that forms another portion of the external surface, wherein a transition of the external surface to each of said back cover and said single-piece bezel-less top cover is flush.

2. (Original) The display assembly of Claim 1, wherein said display mechanism is disposed beneath said single-piece bezel-less top cover, and above said plurality of pressure activated sensors.

3. (Original) The display assembly of Claim 1, wherein said display mechanism is in direct contact with said plurality of pressure activated sensors.

4. (Original) The display assembly of Claim 1, further comprising a fixed electronic circuit layer and wherein said pressure activated sensors are disposed between said circuit layer and said display mechanism.

5. (Original) The display assembly of Claim 1, wherein said single-piece bezel-less top cover further comprises:

a transparent flexible thermoplastic outer film; and

a supporting structure that is co-molded to said transparent flexible thermoplastic outer film.

6. (Original) The display assembly of Claim 5, wherein said transparent flexible thermoplastic outer film has sufficient deflection under external pressure to apply mechanical pressure to said display mechanism which applies pressure to said plurality of pressure activated sensors.

7. (Original) The display assembly of Claim 5, wherein said plurality of pressure activated sensors are operable to register a position where contact is made with said transparent flexible thermoplastic outer film.

8. (Original) The display assembly of Claim 1, wherein said single-piece bezel-less top cover is a flat top surface free of any indentation.

9. (Original) The display assembly of Claim 1, wherein said plurality of pressure activated sensors comprise an accelerometer operable to identify the parameters of a valid input event.

10. (Original) The display assembly of Claim 1, wherein said single-piece bezel-less top cover is a transparent rigid cover.

11. (Previously Presented) The display assembly of Claim 19, wherein said single-piece bezel-less top cover is disposed around said display mechanism to

contact said plurality of pressure activated sensors, which are disposed between said single-piece bezel-less top cover and said back cover.

12. (Original) The display assembly of Claim 11, wherein said single-piece bezel-less top cover has sufficient range of motion to allow mechanical transfer between said top cover and said plurality of pressure activated sensors.

13. (Original) The display assembly of Claim 11, wherein said plurality of pressure activated sensors are operable to register a position where contact is made with said single-piece bezel-less top cover.

14. (Original) The display assembly of Claim 11, wherein said single-piece bezel-less top cover is a flat top surface free of any indentation.

15. (Original) The display assembly of Claim 11, wherein said single-piece bezel-less top cover has indentations to indicate button functions.

16. (Previously Presented) A display assembly for a handheld electronic device comprising:

- a display mechanism of flat panel display technology;

- a transparent single-piece cover that is bezel-less and is disposed over a top surface of said display mechanism and operable to allow mechanical transfer of pressure to said display mechanism;

- a plurality of pressure activated sensors disposed under said display mechanism and, responsive to said mechanical transfer of said display mechanism, operable for registering a contact point on said transparent single-piece cover; and

a housing for enclosing said display mechanism and said pressure activated sensors, said housing comprising:

an external surface that defines body of said handheld electronic device,
said transparent single-piece cover, and

a back cover connected to said transparent single-piece cover such that an area, which represents transition between said back cover and said transparent single-piece cover, of said external surface is flush.

17. (Original) The display assembly of Claim 16, further comprising a supporting structure and wherein said transparent single-piece cover is a flexible thermoplastic outer film co-molded to said supporting structure.

18. (Original) The transparent single-piece cover of Claim 17, wherein said flexible thermoplastic outer film has sufficient deflection under external pressure to transfer said pressure to said display mechanism.

19. (Previously Presented) The display assembly of Claim 16, wherein said transparent single-piece cover is a flat surface free of any indentations.

20. (Original) The display assembly of Claim 16, wherein said plurality of pressure activated sensors comprise an accelerometer operable to perform thresholding to identify a valid input event.

21. (Original) The display assembly of Claim 16, wherein an in-mold decoration is located under said transparent single-piece bezel-less cover and above said flat panel display.

22. (Previously Presented) A display assembly for a handheld electronic device comprising:
- a display mechanism of flat panel display technology;
 - a housing comprising:
 - an external surface that defines body of said handheld electronic device;
 - a back cover; and
 - a transparent single-piece cover that is bezel-less, wherein said back cover is connected to said transparent single-piece cover such that an area, which represents transition between said back cover and said transparent single-piece cover, of said external surface is flush; and
 - a plurality of pressure activated sensors that are integrated with said transparent single-piece cover;
 - and wherein responsive to pressure asserted on said transparent single-piece cover, the plurality of pressure activated sensors are operable for registering a contact point on said transparent single-piece cover.
23. (Original) The display assembly of Claim 22, wherein said plurality of pressure activated sensors comprise an accelerometer operable to identify a valid input event.
24. (Previously Presented) The display assembly of Claim 23, wherein said transparent single-piece cover is a flat surface free of any indentations.
25. (Original) The display assembly of Claim 22, wherein an in-mold decoration is located under said transparent single-piece bezel-less cover and above said flat panel display.

26. (Previously Amended) The display assembly of claim 1, wherein the plurality of pressure activated sensors are integrated with the external surface.

27. (New) A handheld electronic device comprising:

a display mechanism;

a plurality of sensors; and

a housing for enclosing said display mechanism, said housing comprising:

an external surface that defines a body of said handheld electronic device,

a single-piece bezel-less top cover that forms a portion of the external surface; wherein at least some of the plurality sensors are activatable by user-contact that exceeds a threshold when the contact is applied to the single-piece bezel-less top cover, and

a back cover that forms another portion of the external surface, wherein a transition of the external surface to each of said back cover and said single-piece bezel-less top cover is flush..

28. (New) The device of claim 27, wherein the plurality of sensors include an accelerometer.

29. (New) The device of claim 28, wherein the accelerometer is configured to detect whether the user-contact exceeds the threshold.

30. (New) The device of claim 27, wherein the display mechanism includes a liquid crystal display.

31. (New) The device of claim 27, wherein the top cover includes one or more indentations that are each activatable with pressure to cause the device to perform a corresponding function.

32. (New) The device of claim 27, wherein the plurality of sensors include an

accelerometer, and wherein the top cover includes one or more indentations that are each activatable with pressure to cause the device to perform a corresponding function.

33. (New) The device of claim 27, wherein the plurality of sensors include an accelerometer, wherein the display mechanism includes a liquid crystal display and wherein the top cover includes one or more indentations that are each activatable with pressure to cause the device to perform a corresponding function.